

Figure 1A

>3353644	CATTTGAGGC	CATATAAAGT	CACCTGAGGC	NCTCTCCACC	ACAGCCCACC
>2804743			GAGGC	CCTCTCCACC	ACAGCCCACC
>1891065					C
Consensus	CATTTGAGGC	CATATAAAGT	CACCTGAGGC	CCTCTCCACC	ACAGCCCACC
>3353644	AGTGACCATG	AAGGCTGTGC	TGCTTGCCCT	GTTGATGGCA	GGCTTGCCCC
>2804743	AGTGACCATG	AAGGCTGTGC	TGCTTGCCCT	GTTGATGGCA	GGCTTGCCCC
>1891065	AGTGACCATG	AAGGCTGTGC	TGCTTGCCCT	GTTGATGGCA	GGCTTGCCCC
>1543671	GTGACCATG	AAGGCTGTGC	TGCTTGCCCT	GTTGATGGCA	GGCTTGCCCC
>1543671IH	GTGACCATG	AAGGCTGTGC	TGCTTGCCCT	GTTGATGGCA	GGCTTGCCCC
Consensus	AGTGACCATG	AAGGCTGTGC	TGCTTGCCCT	GTTGATGGCA	GGCTTGCCCC
>3353644	TGCAGCCAGG	CAC TGCCCTG	CTGTGCTACT	CCTGCAAAGC	CCAGGTGAGC
>2804743	TGCAGCCAGG	CAC TGCCCTG	CTGTGCTACT	CCTGCAAAGC	CCAGGTGAGC
>1891065	TGCAGCCAGG	CAC TGCCCTG	CTGTGCTACT	CCTGCAAAGC	CCAGGTGAGC
>1543671	TGCAGCCAGG	CAC TGCCCTG	CTGTGCTACT	CCTGCAAAGC	CCAGGTGAGC
>1543671IH	TGCAGCCAGG	CAC TGCCCTG	CTGTGCTACT	CCTGCAAAGC	CCAGGTGAGC
Consensus	TGCAGCCAGG	CAC TGCCCTG	CTGTGCTACT	CCTGCAAAGC	CCAGGTGAGC
>3353644	AACGAGGACT	GCCTGCAGGT	GGAGAACTGC	ACCCAGCTGG	GGGAGCAGTG
>2804743	AACGAGGACT	GCCTGCAGGT	GGAGAACTGC	ACCCAGCTGG	GGGAGCAGTG
>1891065	AACGAGGACT	GCCTGCAGGT	GGAGAACTGC	ACCCAGCTGG	GGGAGCAGTG
>1543671	AACGAGGACT	GCCTGCAGGT	GGAGAACTGC	ACCCAGCTGG	GGGAGCAGTG
>1543671IH	AACGAGGACT	GCCTGCAGGT	GGAGAACTGC	ACCCAGCTGG	GGGAGCAGTG
>1863905	CGAGGACT	GCCTGCAGGT	GGAGAACTGC	ACCCAGCTGG	GGGAGCAGTG
Consensus	AACGAGGACT	GCCTGCAGGT	GGAGAACTGC	ACCCAGCTGG	GGGAGCAGTG
>3353644	CTGGACCGCG	CGCATCCGCG	CAGTTGGCCT	CNTGACCGTC	ATCAGCAAAG
>2804743	CTGGACCGCG	CGCATCCGCG	CAGTTGGCCT	CCTGACCGTC	ATCAGCAAAG
>1891065	CTGGACCGCG	CGCATCCGCG	CAGTTGGCCT	CCTGACCGTC	ATCAGCAAAG
>1543671	CTGGACCGCG	CGCATCCGCG	CAGTTGGCCT	CCTGACCGTC	ATCAGCAAAG
>1543671IH	CTGGACCGCG	CGCATCCGCG	CAGTTGGCCT	CCTGACCGTC	ATCAGCAAAG
>1863905	CTGGACCGCG	CGCATCCGCG	CAGTTGGCCT	CCTGACCGTC	ATCAGCAAAG
Consensus	CTGGACCGCG	CGCATCCGCG	CAGTTGGCCT	CCTGACCGTC	ATCAGCAAAG
>3353644	: CTGCAGCTT	GAAGTGCCTG	GATGANTCAC	AGGANTACTA	C
>2804743	GCTGCAGCTT	GAAGTGCCTG	GATGACTCAC	AGGACTACTA	CGTGGGCAAG
>1891065	GCTGCAGCTT	GAAGTGCCTG	GATGACTCAC	AGGACTACTA	CGTGGGCAAG
>1543671	GCTGCAGC				
>1543671IH	GCTGCAGCTT	GAAGTGCCTG	GATGACTCAC	AGGACTACTA	CGTGGGCAAG
>1863905	GCTGCAGCTT	GAAGTGCCTG	GATGACTCAC	AGGACTACTA	CGTGGGCAAG
Consensus	GCTGCAGCTT	GAAGTGCCTG	GATGACTCAC	AGGACTACTA	CGTGGGCAAG
>2804743	AAGAACATCA	CGTGCTGTG			
>1891065	AAGAACATCA	CGTGCTGTGA	CACCGACT		
>1543671IH	AAGAACATCA	CGTGCTGTGA	CACCGACTTG	TGCAACGCCA	GCGGGGCCCCA
>1863905	AAGAACATCA	CGTGCTGTGA	CACCGACTTG	TGCAACGCCA	GCGGGGCCCCA
>1314679		GTGCTGTGA	CACCGACTTG	TGCAACGCCA	GCGGGGCCCCA
Consensus	AAGAACATCA	CGTGCTGTGA	CACCGACTTG	TGCAACGCCA	GCGGGGCCCCA

Figure 1B

>1543671IH	TGCCCTGCAG	CCGGCTGCCG	CCATCCTTGC	GCTGCTCCCT	GCACTCGGCC
>1863905	TGCCCTGCAG	CCGGCTGCCG	CCATCCTTGC	GCTGCTCCCT	GCACTCGGCC
>1314679	TGCCCTGCAG	CCGGCTGCCG	CCATCCTTGC	GCTGCTCCCT	GCACTCGGCC
Consensus	TGCCCTGCAG	CCGGCTGCCG	CCATCCTTGC	GCTGCTCCCT	GCACTCGGCC
>1543671IH	TGCTGCTCTG	GGGACCCGGC	CAGCTATAGG	CTCTGGGGGG	CCCCGCTGCA
>1863905	TGCTGCTCTG	GGGACCC			
>1314679	TGCTGCTCTG	GGGACCCGGC	CAGCTATAGG	CTCTGGGGGG	CCCCGCTGCA
Consensus	TGCTGCTCTG	GGGACCCGGC	CAGCTATAGG	CTCTGGGGGG	CCCCGCTGCA
>1543671IH	GCCCACACTG	GGTGTGGTGC	CCCAGGCCTC	TGTGCCACTC	CTCACAGACC
>1314679	GCCCACACTG	GGTGTGGTGC	CCCAGGCCTC	TGTGCCACTC	CTCACAGACC
>1901337					C
Consensus	GCCCACACTG	GGTGTGGTGC	CCCAGGCCTC	TGTGCCACTC	CTCACAGACC
>1543671IH	TGGCCCAGTG	GGAGCCTGTC	CTGGTTCCTG	AGGCACATCC	TAACGCAAGT
>1314679	TGGCCCAGTG	GGAGCCTGTC	CTGGTTCCTG	AGGCACATCC	T
>1901337	TGGCCCAGTG	GGAGCCTGTC	CTGGTTCCTG	AGGCACATCC	TAACGCAAGT
>1900086		GTC	CTGGTTCCTG	AGGCACATCC	TAACGCAAGT
Consensus	TGGCCCAGTG	GGAGCCTGTC	CTGGTTCCTG	AGGCACATCC	TAACGCAAGT
>1543671IH	CTGACCATGT	ATGTCTGCAC	CCCTGTCCCC	CACCCTGACC	CTCCCATGGC
>1901337	CTGACCATGT	ATGTCTGCNC	CCCTGTCCCC	CACCCTGACC	CTCCCATGGC
>1900086	CTGACCATGT	ATGTCTGCAC	CCCTGTNCCC	CACCCTGACC	CTCCCATGGC
Consensus	CTGACCATGT	ATGTCTGCAC	CCCTGTCCCC	CACCCTGACC	CTCCCATGGC
>1543671IH	CCTCTCCAGG	ACTCCCACCC	GGCAGATCAG	CTCTAGTGAC	ACAGATCCGC
>1901337	CCTCTCCAGG	ACTCCCACCC	GGCAGATCAG	CTCTAGTGAC	ACAGATCCGC
>1900086	CCTCTCCAGG	ACTCCCACCC	GGCAGATCAG	CTCTAGTGAC	ACAGATCCGC
Consensus	CCTCTCCAGG	ACTCCCACCC	GGCAGATCAG	CTCTAGTGAC	ACAGATCCGC
>1543671IH	CTGCAGATGG	CCCCTCCAAC	CCTCTCTGCT	GCTGTTTCCA	TGGCCCAGCA
>1901337	CTGCAGATGG	CCCCTCCAAC	CCTCTCTGCT	GCTGTTTCCA	TGGCCCAGCA
>1900086	CTGCAGATGG	CCCCTCCAAC	CCTCTCTGCT	GCTGTTTCCA	TGGCCCAGCA
Consensus	CTGCAGATGG	CCCCTCCAAC	CCTCTCTGCT	GCTGTTTCCA	TGGCCCAGCA
>1543671IH	TTCTCCACCC	TTAACCCTGT	GCTCAGGCAC	CTCTTCCCCC	AGGAAGCCTT
>1901337	TTCTCCACCC	TTAACCCTGT	GCTCAGGCAC	CT	
>1900086	TTCTCCACCC	TTAACCCTGT	GCTCAGGCAC	CTCTTCCCCC	AGGAAGCCTT
>2325070		TAACCCTGT	GCTCAGGCAC	CTCTTCCCCC	AGGAAGCCTT
Consensus	TTCTCCACCC	TTAACCCTGT	GCTCAGGCAC	CTCTTCCCCC	AGGAAGCCTT
>1543671IH	CCCTGCCCCAC	CCCATCTATG	ACTTGAGCCA	GGTCTGGTCC	GTGGTGTCCC
>1900086	CCCTGCCCCAC	CCCATCT			
>2325070	CCCTGCCCCAC	CCCATCTATG	ACTTGAGCCA	GGTCTGGTCC	GTGGTGTCCC
>3969672		ATCTATG	ACTTGAGCCA	GGTCTGGTCC	GTGGTGTCCC
Consensus	CCCTGCCCCAC	CCCATCTATG	ACTTGAGCCA	GGTCTGGTCC	GTGGTGTCCC
>1543671IH	CCGCACCCAG	CAGGGGACAG	GCACTCAGGA	GGGCCCAGTA	AAGGCTGAGA
>2325070	CCGCACCCAG	CAGGGGACAG	GCACTCAGGA	GGGCCCAGTA	AAGGCTGAGA
>3969672	CCGCACCCAG	CAGGGGACAG	GCACTCAGGA	GGGCCCAGTA	AAGGCTGAGA
Consensus	CCGCACCCAG	CAGGGGACAG	GCACTCAGGA	GGGCCCAGTA	AAGGCTGAGA

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Figure 1C

>1543671IH	TGAAGTGGAC	TGAGTAGAAC	TGGAGGACAA	GAGTCGACGT	GAGTTCCTGG
>2325070	TGAAGTGGAC	TGAGTAGAAC	TGGAGGACAA	GAGTCGACGT	GAGTTCCTGG
>3969672	TGAAGTGGAC	TGAGTAGAAC	TGGAGGACAA	GAGTCGACGT	GAGTTCCTGG
Consensus	TGAAGTGGAC	TGAGTAGAAC	TGGAGGACAA	GAGTCGACGT	GAGTTCCTGG
>1543671IH	GAGTCTCCAG	AGATGGGGCC	TGGAGGCCTG	GAGGAAGGGG	CCAGGCCTCA
>2325070	GAGTCTCCAG	AGATGGGGCC	TGGAGGCCTG	GAGGAAGGGG	CCAGGCCTCA
>3969672	GAGTCTCCAG	AGATGGGGCC	TGGAGGCCTG	GAGGAAGGGG	CCAGGCCTCA
Consensus	GAGTCTCCAG	AGATGGGGCC	TGGAGGCCTG	GAGGAAGGGG	CCAGGCCTCA
>1543671IH	CATTTCGTGGG	GCTCCCTGAA	TGGCAGCCTG	AGCACAGCGT	AGGCCCTTAA
>2325070	CATTTCGTGGG	GCTCCCTGAA			
>3969672	CATTTCGTGGG	GCTCCCTGAA	TGGCAGCCTG	AGCACAGCGT	AGGCCCTTAA
Consensus	CATTTCGTGGG	GCTCCCTGAA	TGGCAGCCTG	AGCACAGCGT	AGGCCCTTAA
>1543671IH	TAAACACCTG	TTGGATAAGC	CCA		
>3969672	TAAACACCTG	TTGGAT			
Consensus	TAAACACCTG	TTGGATAAGC	CCA		

Figure 2

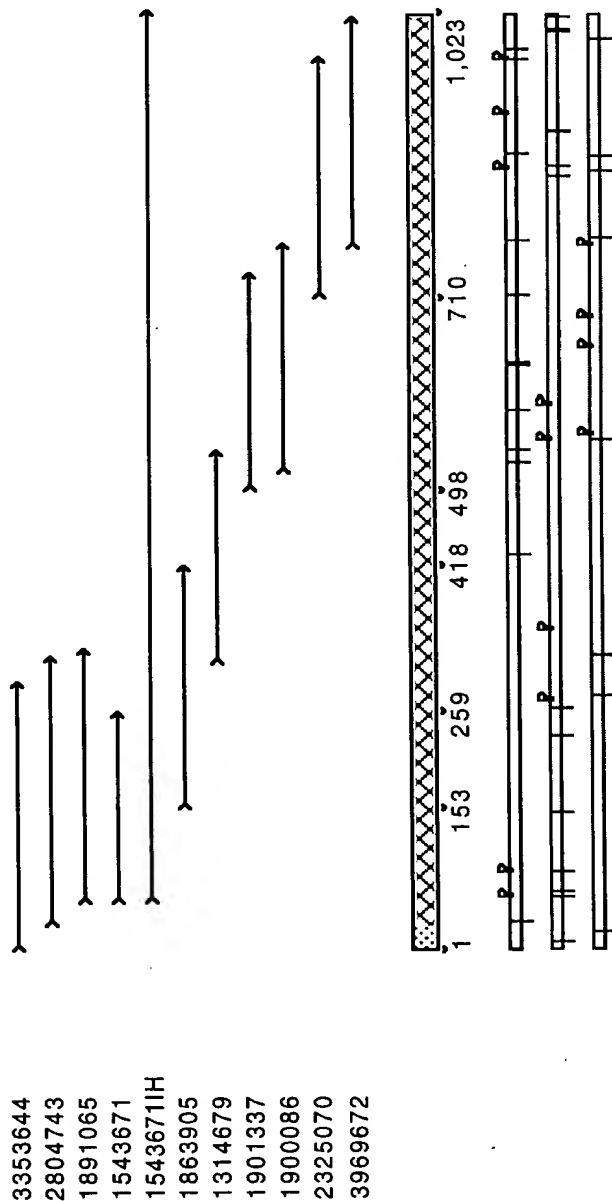
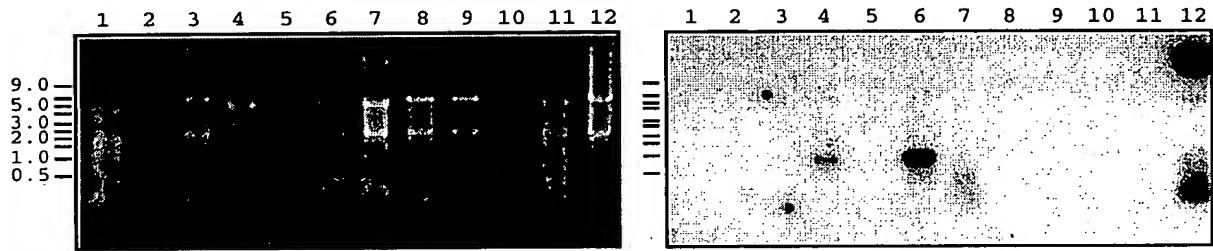


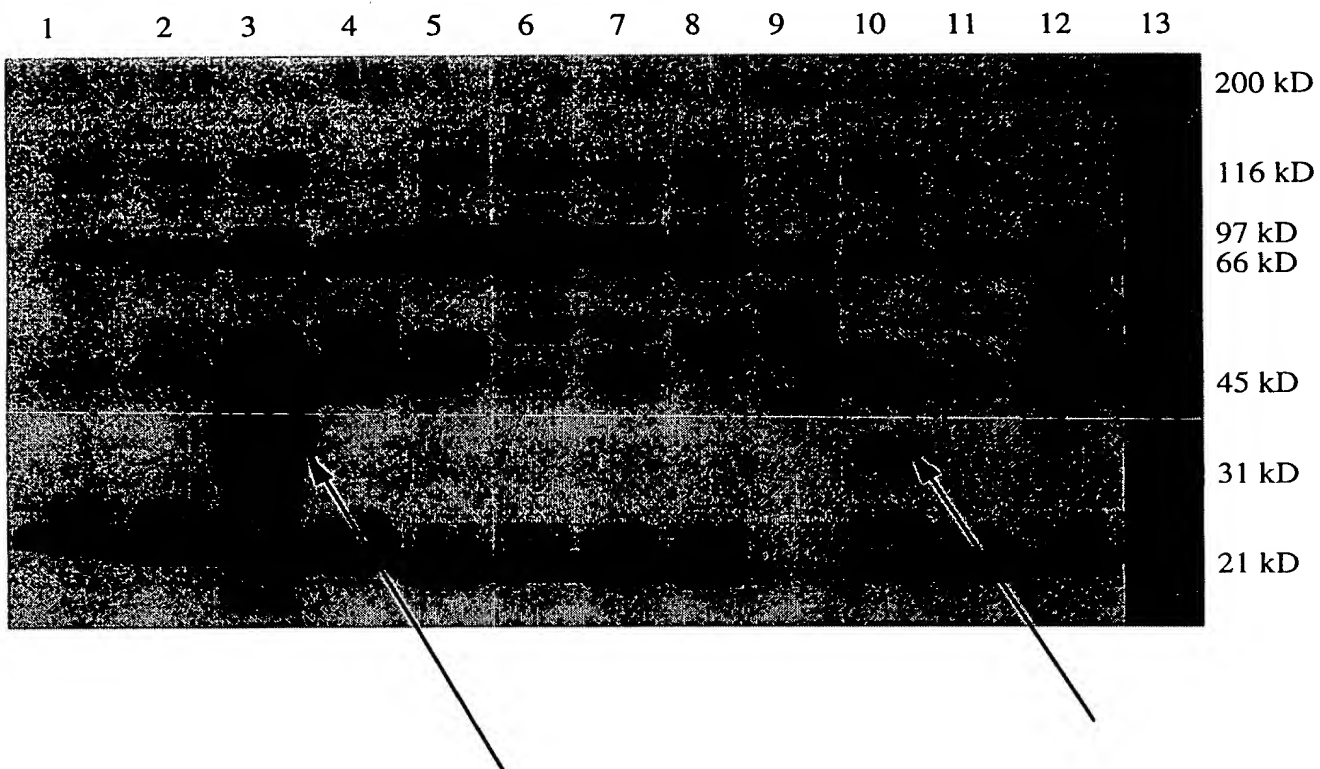
Figure 3



Lane	Tissue		Lane	Tissue	
1	Normal	Prostate	7	Prostate	Cancer
2	Normal	Prostate	8	Prostate	Cancer
3	Normal	Prostate	9	Prostate	Cancer
4	Normal	Prostate	10	Prostate	Cancer
5	Normal	Prostate	11	Prostate	Cancer
6	Normal	Prostate	12	PS116	Bacterial RNA

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Figure 4



Lane	Tissue	Lane	Tissue
1	Bladder Cancer	8	Breast
2	Bladder	9	Prostate Cancer
3	Bladder Cancer	10	Prostate Cancer
4	Bladder	11	Prostate Cancer
5	Bladder Cancer	12	BPH
6	Colon	13	Markers
7	Lung		